COLUMBIA IP LAW GROUF, PC
Attorney's Docket No.: 41016.P008
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Inventor(s): David Bau, III et al.
Application No.: Not yet assigned
For: ANNOTATION BASED DEVELOPMENT PLATFORM FOR STATEFUL WEB SERVICES
Express Mail Label No. EV051102321US
Date of Deposit: February 22, 2002

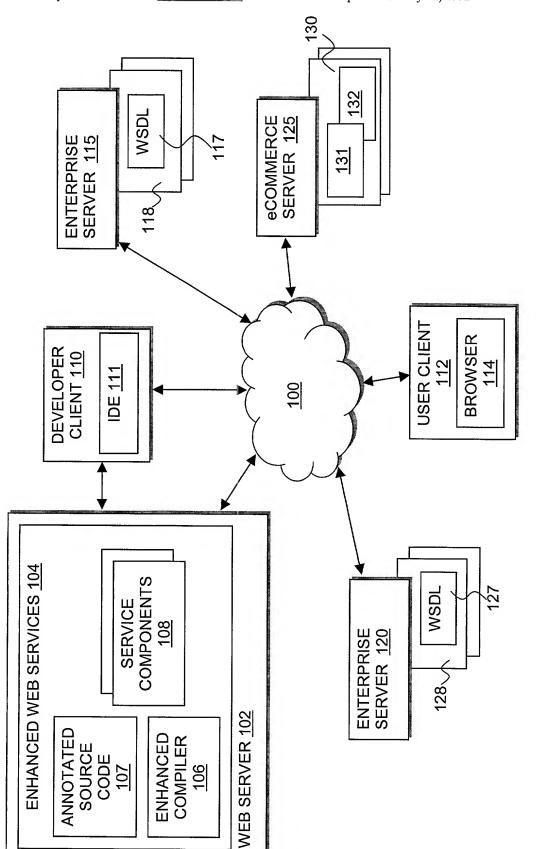


FIG. 1

	ItemList items;	// each basket will have its own item list
201	/* @Operation * @Conversation Start */ void newBasket() { }	// creates a new item list
202 { 207 {	<pre>/* @Operation     * @Conversation Continue */     void addItem(Item i) { }</pre>	// continues an existing conversation // using the associated item list
203 { 208 {	/* @Operation * @Conversation Finish */ void checkout(Payment p) { }	// finishes an existing conversation // and deletes the associated item list
204	/* @Operation * @Conversation Finish * @buffer */ void cancel() { }	// finishes an existing conversation // and deletes the associated item list
205-{ 210-{	<pre>/* @Operation */ int activeBaskets() { }</pre>	// stateless method // returns number of baskets in use

FIG. 2

```
public String greeting (String firstname, String lastname)
                                                                                                                                                                                       new java.text.SimpleDateFormat("yyyy-MM-dd HH:mm:ss");
                                                                                                                                    Calendar.getInstance(TimeZone.getDefault());
                                                                                                                                                                                                                                        SimpleDateFormat sdf =
                                                                                                               Calendar cal =
* @operation
```

## FIG. 3A

```
<m:greeting xmlns:m="http://www.company.com/app/mypackage/CreditReport.jws">
                                                                                                                                                                                                                                                          soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
                                                                                                                                                                                                  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
                                                                                                                                                                                                                              xmlns:cgc="http://bea.com/SOAP/conversation"
POST /app/mypackage/CreditReport.jws HTTP/1.1
                                                                                                                                                                                                                                                                                                                                                                                                                  <firstname>Jane</firstname>
                                                      Content-Type: text/xml; charset="utf-8"
                                                                                                                                                                                                                                                                                                                                                                                                                                                   <lastname>Doe</lastname>
                                                                                                                SOAPAction: "Some-URI"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         </m:greeting>
                               Host: www.company.com
                                                                                    Content-Length: 648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        </soap:Body>
                                                                                                                                                                                                                                                                                                                  </soap:Header>
                                                                                                                                                                                                                                                                                                                                              <soap:Body>
                                                                                                                                                                                                                                                                                        <soap:Header>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        </soap:Envelope>
                                                                                                                                                                            <soap:Envelope
```

```
xmlns:m="http://www.company.com/app/mypackage/CreditReport.jws">
                                                                                                                                                                                                                                                                                                                                                                                               <result>Hello Jane Doe at 2001-08-15 16:18:04</result>
                                                                                                                                                                                        soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
                                                                                                                                                         xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
                             Content-Type: text/xml; charset="utf-8"
                                                                                                                                                                                                                                                                                                                                                                                                                                       </m:greetingResponse>
                                                                                                                                                                                                                                                                                                                       <m:greetingResponse
                                                              Content-Length: 574
                                                                                                                                                                                                                                                        </soap:Header>
                                                                                                                                                                                                                         <soap:Header>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         </soap:Envelope>
HTTP/1.1 200 OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            </soap:Body>
                                                                                                                                                                                                                                                                                     <soap:Body>
                                                                                                                          <soap:Envelope</pre>
```

## FIG. 3C

```
<c:conversationID>4232-133214-3223132:42332-3144-2332251</c:conversationID>
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"</pre>
                           xmlns:c="http://openuri.org/soap/conversation/">
                                                                                                                                                                     http://original.com/foo/Callbacks.jwi
                                                                                                                                                                                                        </c:defaultCallbackURL>
                                                                                                                                   <c:defaultCallbackURL>
                                                                                                                                                                                                                                                                                                              <!-- contents omitted
                                                                                                                                                                                                                                            </s:Header>
                                                             <s:Header>
                                                                                                                                                                                                                                                                                                                                                                      </s:Envelope>
                                                                                                                                                                                                                                                                                                                                          </s:Body>
                                                                                                                                                                                                                                                                            <s:Body>
```

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Columbia IP Law Group, PC

Telephone: 503-595-2800

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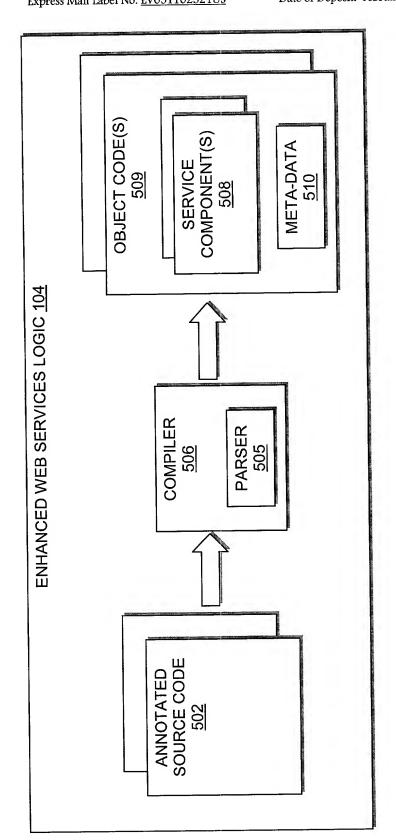
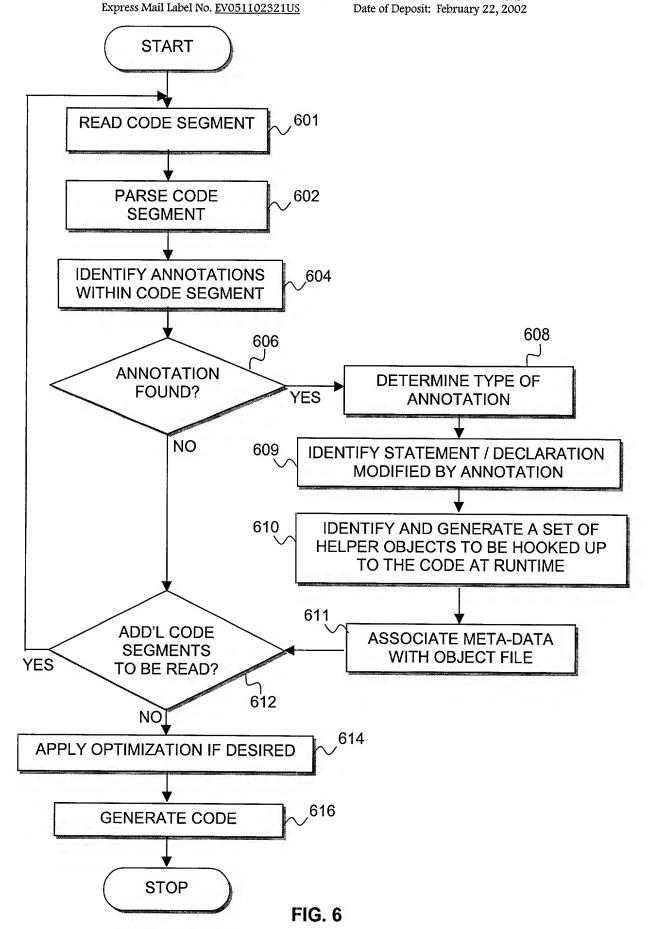
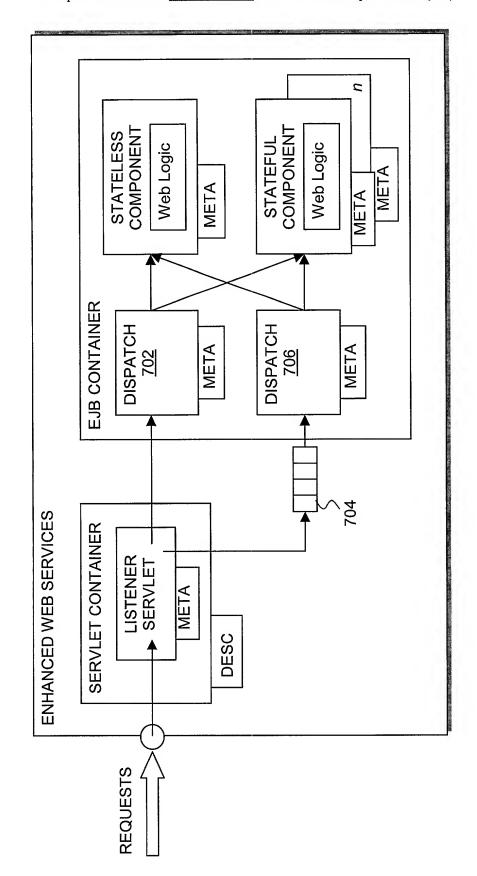


FIG. 5

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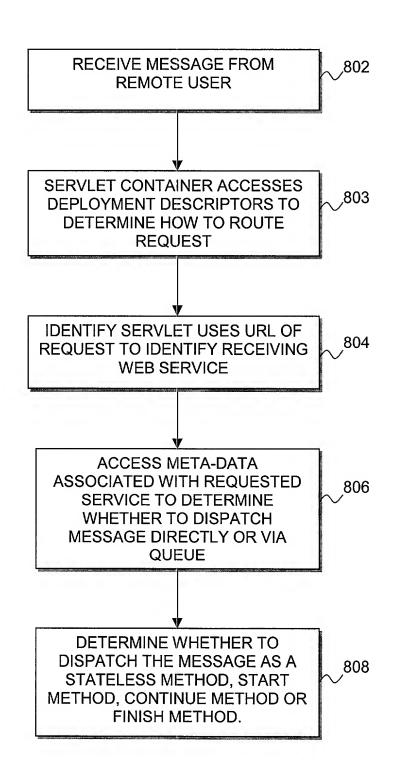


FIG. 8

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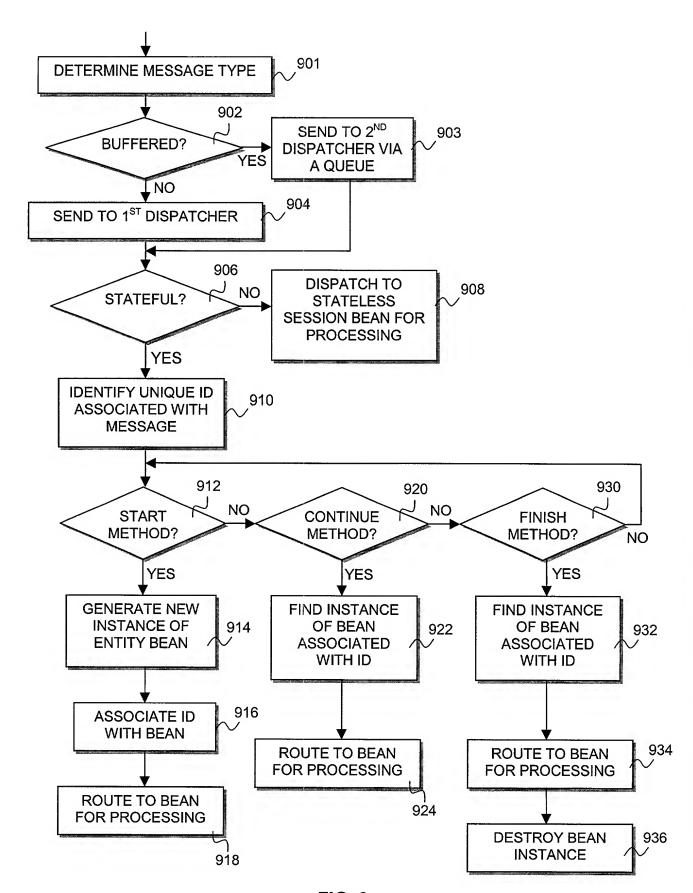


FIG. 9

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1000 1012 COMM. INTF. <u>1010</u> ENHANCED WEB SERVICES LOGIC SYSTEM MEMORY 1004 I/O DEVICES 1008 ENHANCED WEB SERVICES LOGIC MASS STORAGE 1006 PROCESSORS 1002

**-1G. 10**